FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL										
OMB Number:	3235-0287									
	les construes									

Estimated average burden hours per response: 0.5

### Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person*     Gupta Vinita D					2. Issuer Name <b>and</b> Ticker or Trading Symbol  INTREXON CORP [ XON ]									(Che	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
					L										X Directo			10% Ov		
(Last) 20374 S	(F ENECA MI		3. Date of Earliest Transaction (Month/Day/Year) 04/25/2017									Officer below)	(give title		Other (s below)	specify				
				4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable							
(Street)	'	In a monamont, Date of Original Filed (Monambay) Teal)									Line)									
GERMANTOWN MD 20876													X Form filed by One Reporting Person  Form filed by More than One Reporting							
(City)	(S	tate)	(Zip)												Persor	Person				
		Tak	ole I - Nor	n-Deriv	ative	e Se	curities	s Ac	quired,	Dis	posed c	of, or	Bene	ficiall	y Owned					
Da				Date	2. Transaction Date Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				5. Amour Securitie Beneficia Owned F	es ally Following	Form: Direct		7. Nature of Indirect Beneficial Ownership	
								Code	v	Amount	nt (A) or Pr		Price	Reported Transact (Instr. 3 a	ion(s)			(Instr. 4)		
Common Stock 04					5/2017				A		2,83	2,839 A		\$0	2,8	2,839		D		
			Table II -								osed of onverti				Owned		,	,		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution I if any (Month/Day	Date,	4. Transaction Code (Instr. 8)		of		6. Date Exercisa Expiration Date (Month/Day/Year		•	7. Title and Am of Securities Underlying Derivative Sec (Instr. 3 and 4)		ecurity	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				,	Code			Date Exercisal		Expiration Date	on o		umber							
Option to Purchase Common Stock (Right to Buy)	\$21.13	04/25/2017			A		40,000		(1)	(	)4/25/2027	Comm		0,000	\$0	40,000	0	D		
Option to Purchase Common Stock	\$21.13	04/25/2017			A		15,000		04/25/20	17 (	)4/25/2027	Comm		5,000	\$0	15,000	0	D		

# **Explanation of Responses:**

 $1.\ This\ option\ vests\ in\ 25\%\ increments\ on\ each\ of\ April\ 25,\ 2018,\ 2019,\ 2020\ and\ 2021.$ 

#### Remarks:

(Right to Buy)

> /s/ Vinita D. Gupta, by Donald P. Lehr, Power of Attorney

04/27/2017

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.